

Title (en)
Implements for injecting substances below the surface of the soil.

Title (de)
Vorrichtung zum Einbringen von Mitteln in den Boden.

Title (fr)
Dispositif pour injecter des matières sous la surface du sol.

Publication
EP 0056329 A1 19820721 (EN)

Application
EP 82300131 A 19820112

Priority
GB 8100746 A 19810112

Abstract (en)
[origin: US4426940A] A machine for burying slurry, sewage, or other soil-improving fluids has a hollow straight forward-leaning tine which carries at its bottom end an arched, forward-sloping delta-shaped shoe for lifting the soil into the form of a tunnel. The hollow interior of the tine opens through the roof of this shoe, and slurry is delivered through the tine into the cavity under the shoe. A free-running vibrator on the tine vibrates it and the shoe vertically. The tine is resiliently loaded by a spring to its working position, and the reaction of the spring is applied directly to a reaction lever separately pivoted on a subframe carrying the tine. The spring reaction biases the lever downwards, and the lever is supported at its rearward end behind the tine by a roller which closes the slit formed by the tapered leading edge of the tine.

IPC 1-7
A01C 23/02; **A01B 39/10**; **A01B 35/12**

IPC 8 full level
A01B 35/12 (2006.01); **A01B 39/10** (2006.01); **A01C 23/02** (2006.01)

CPC (source: EP US)
A01B 35/12 (2013.01 - EP US); **A01B 39/10** (2013.01 - EP US); **A01C 23/02** (2013.01 - EP US)

Citation (search report)

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DOCDB simple family (application)
EP 82300131 A 19820112; AT 82300131 T 19820112; DE 3263186 T 19820112; GB 8100746 A 19810112; US 33829382 A 19820111